NVR8008X Enterprise Rack Mount NVR

8-Bay, up to 100-Channel Megapixel Recording, RAID Storage

Quick Installation Guide

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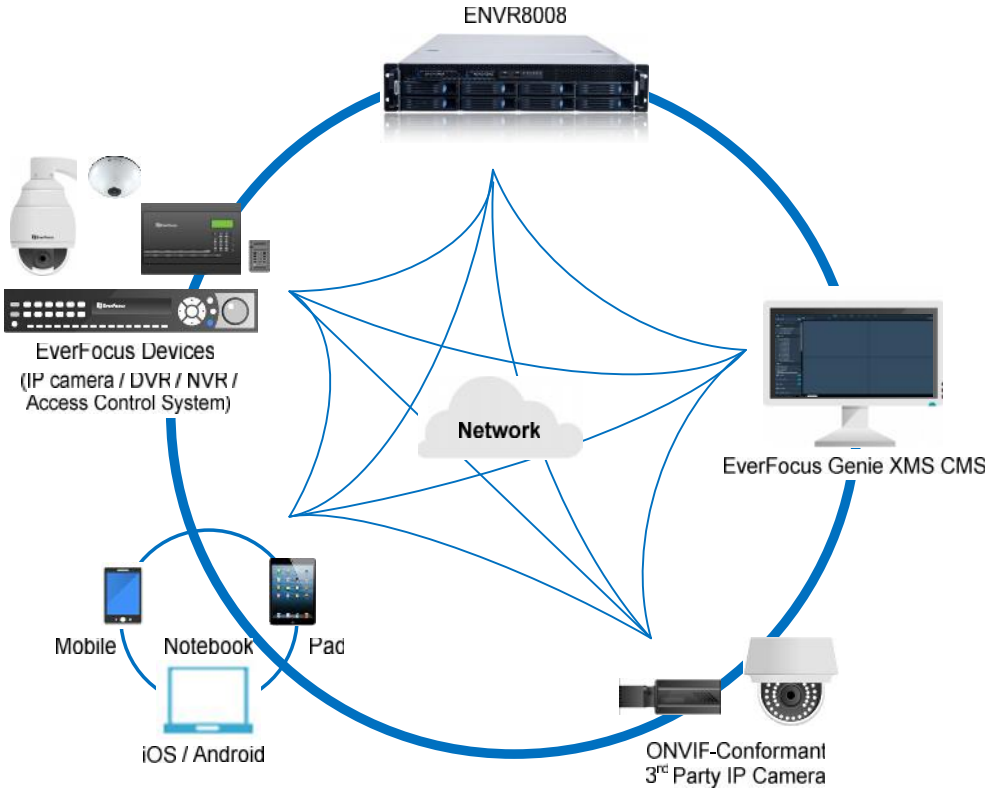
1. Introduction

EverFocus NVR8008X is an enterprise-level NVR, supporting scalable channel numbers from 64 up to 100 channels. Featured with 8-bay hot swappable SATAIII HDDs and RAID 0,1,5,6,10functionality with the highest data protection, the NVR8008X is able to record at 250 Mbps in speed with approximately64 channels working simultaneously at 2-megapixel / 30 fps with H.264 codec without remote playback.

Operating on a Linux-based system, the NVR8008Xprovides a storage capacity of up to 32 TB (4 TB per drive),and is compatible with all EverFocus devices such as IP cameras, DVR, NVR, access control systems and EverFocus CMS software, Genie XMS. The ONVIF-conformant 3rd-party cameras can also be connected to the NVR. Industry standard video compression formats, such as H.264, MPEG4 and M-JPEG (depends on IP cameras) are all supported.The NVR8008X is also supported by EverFocus MobileFocus apps on iOS and Android devices extendingvideo surveillance from fixed locations to mobile environments.



1.1 Supporting Operating Systems and Browsers

- Operating System: Microsoft Windows XP (32-bit)/ 7 (32/64-bit)/ 8 (32/64-bit)
- Web Browsers: Google Chrome

1.2 Packing List

• NVR8008X x1	• Quick Guide x 1
•Power Cord x 1	• HDD. Packed in white boxes

Note:

1. **Any physical damage to the NVR due to improper installation or handling will not be covered under warranty.**
2. **Every install environment is different. RAIL MOUNTS are not included with the NVR. This is an optional accessory.**
3. Equipment configurations and supplied accessories vary by country. Please consult your local EverFocus office or agents for more information. Please also keep the shipping carton for possible future use.
4. Contact the shipper if any items appear to have been damaged in the shipping process.
5. The latest version of the manuals is available for download from the EverFocus Website. This also contains part numbers for optional accessories. http://www.everfocus.com/product.cfm?productid=1855

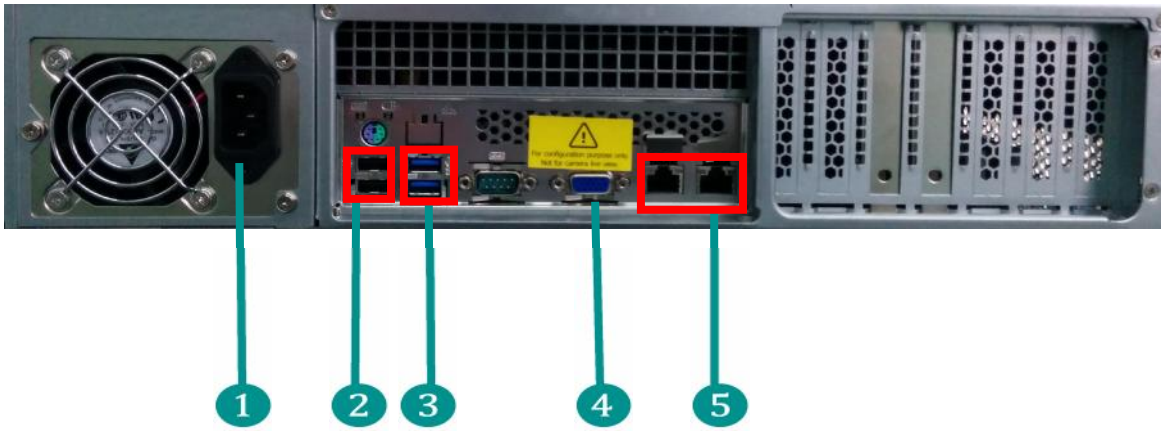
1.3 Optional Accessories

• Rack Mount Rail x 2	• Front Bracket x 2
• EKB200 (USB controller keyboard: connect to the PC to control the PTZ cameras connected to the NVR	

1.4 Front Panel

No.	Name	Description
1	**HDD Tray**	Pull the HDD tray out to install the HDD.
2	**USB**	2 USB2.0 ports for connecting to a mouse or external storage device.
3	**Status LED**	Power: Indicates the HDDs are installed. HDD R/W: Indicates the HDDs are reading/writing data. Reset: Use a paper clip to press the reset button. HDD: Indicates the internal HDD 1~8 is activating. Power: Indicates the power is on. LAN1: Indicates the NVR is connected to the network. LAN2: Indicates the NVR is connected to the network.
4	**Power**	Press to turn on / off the NVR.

1.5 Rear Panel



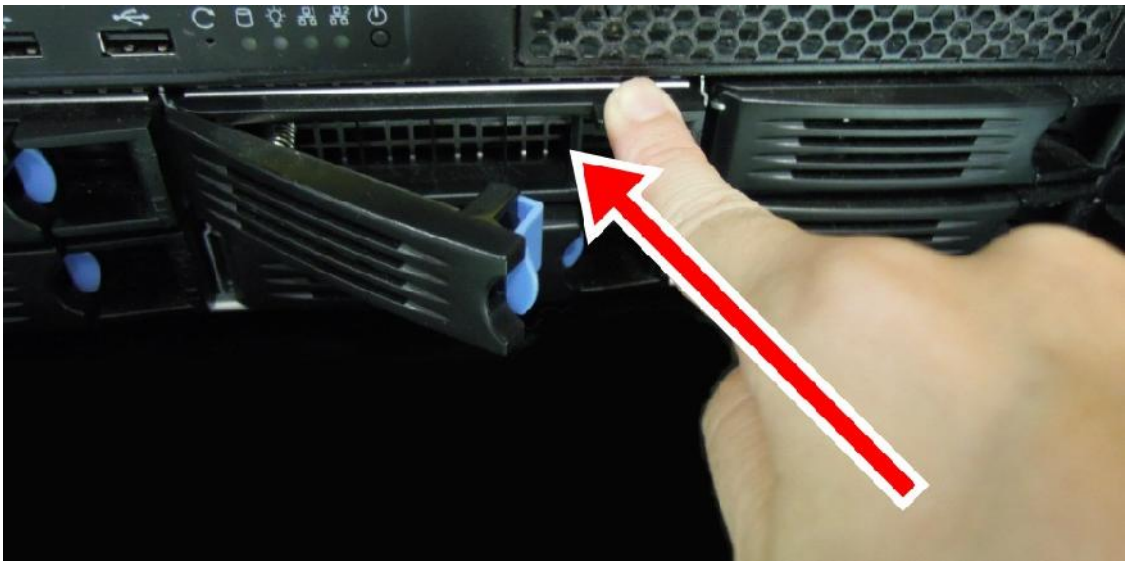
No.	Name	Description
1	**Power Port**	Connects to the 100-240 VAC~ power using the supplied Power Cord.
2	**USB2.0 Port**	Two USB2.0 ports
3	**USB 3.0 Port**	Two USB3.0 ports
4	**VGA Port**	Connects to monitor using a VGA cable. **For configuration purpose only. Not for live view of IP camera.**
5	**Network**	Connects to the network using a standard RJ-45 CAT5 10/100Mb Ethernet cable. Connects to a router or switch for connecting IP cameras using a standard RJ-45 CAT5 10/100Mb Ethernet cable.

2. Installation

Hard Disk Drive Installation

1. Open the white boxes containing the hard drive.

2. Open the HDD tray by pressing the blue button.



3. Insert the HDD tray into the NVR and push back the black panel to close.

2.1.1 Hard Disk Compatibility List

Please use the hard disk models recommended in the list below to ensure your hard disks will be compatible.

SATA Hard Disk	Model	Capacity
Seagate	CE-Video SATA3 / ST1000VM002	1TB
	CE-Video SATA3 / ST2000VM003	2TB
	CE-Video SATA3 / ST3000VM002	3TB
	CE-Video SATA3 / ST4000VM000	4TB
	SV35 SATA6 7200/ ST4000VX000	4TB
	SV35 SATA6 7200/ ST1000VX000	1TB
	SV35 SATA6 7200/ ST2000VX000	2TB
	SV35 SATA6 7200/ ST3000VX000	3TB
	Constellation CS SATA3 7200 / ST1000NC000	1TB
	Constellation CS SATA3 7200 / ST3000NC000	3TB
	CE-Video SATA6 5900RPM / ST1000VM002	1TB
	CE-Video SATA6 5900RPM / ST2000VM003	2TB
	SV35 SATA3 7200/ST3000VX000	3TB
	SV35 SATA3 7200/ST2000VX000	2TB
	SV35 SATA3 7200/ST1000VX000	1TB
Toshiba	MD03ACA200V 2TB SATA 7200RPM 64MB	2TB
	MD03ACA300V 3TB SATA 7200RPM 64MB	3TB
	MD03ACA400V 4TB SATA 7200RPM 6MB	4TB
Western Digital	WD40PURX-64GVNYO	4TB
	WD30PURX-64P6ZY0	3TB
	WD20PURX-64P6ZY0	2TB
	WD10PURX-64D85Y0	1TB

Note: If using two or more hard disks, please choose the hard disks with the same capacity.

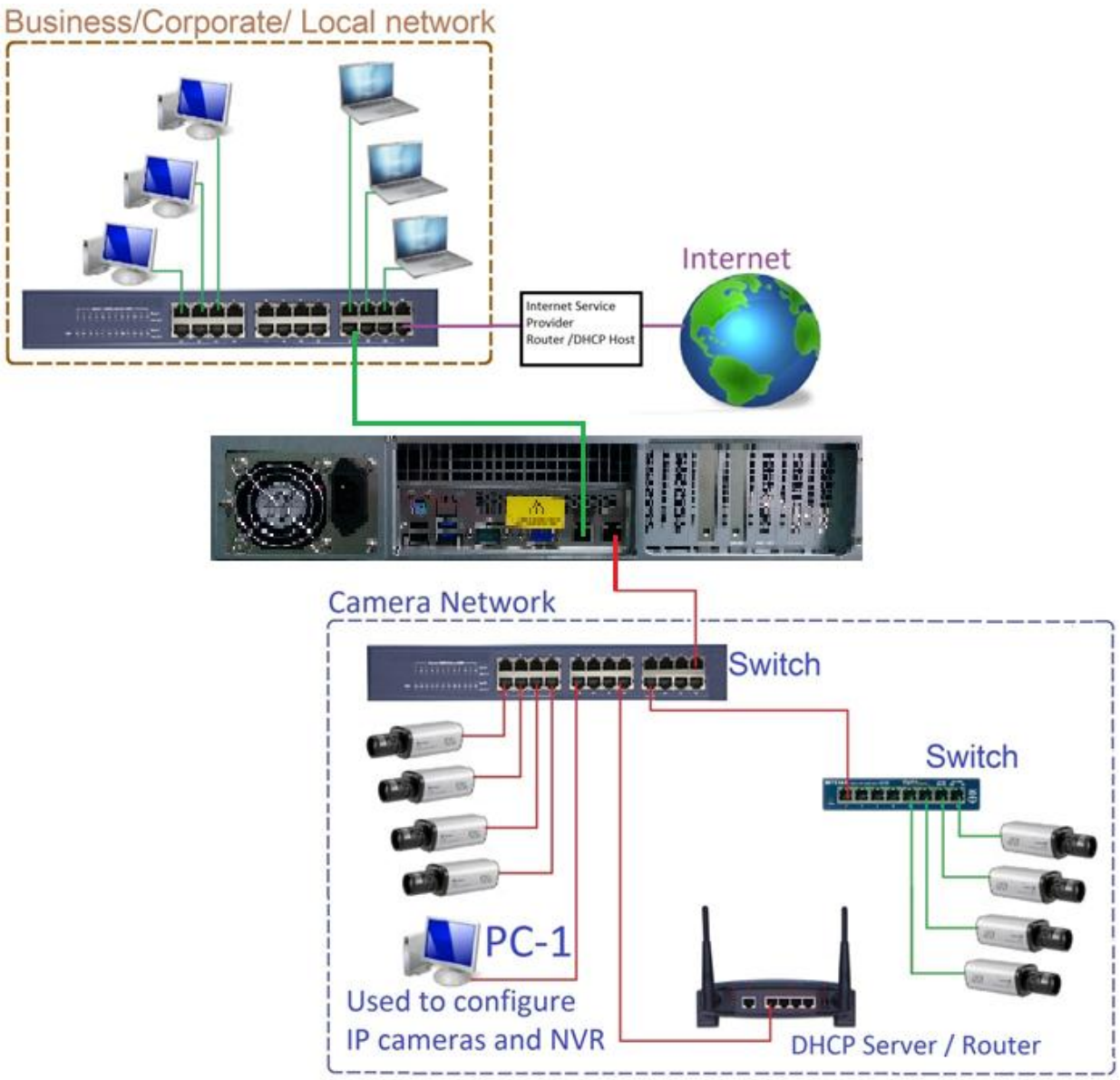
2.2 Basic Connection

The instructions below describe the basic connection for NVR8008X.

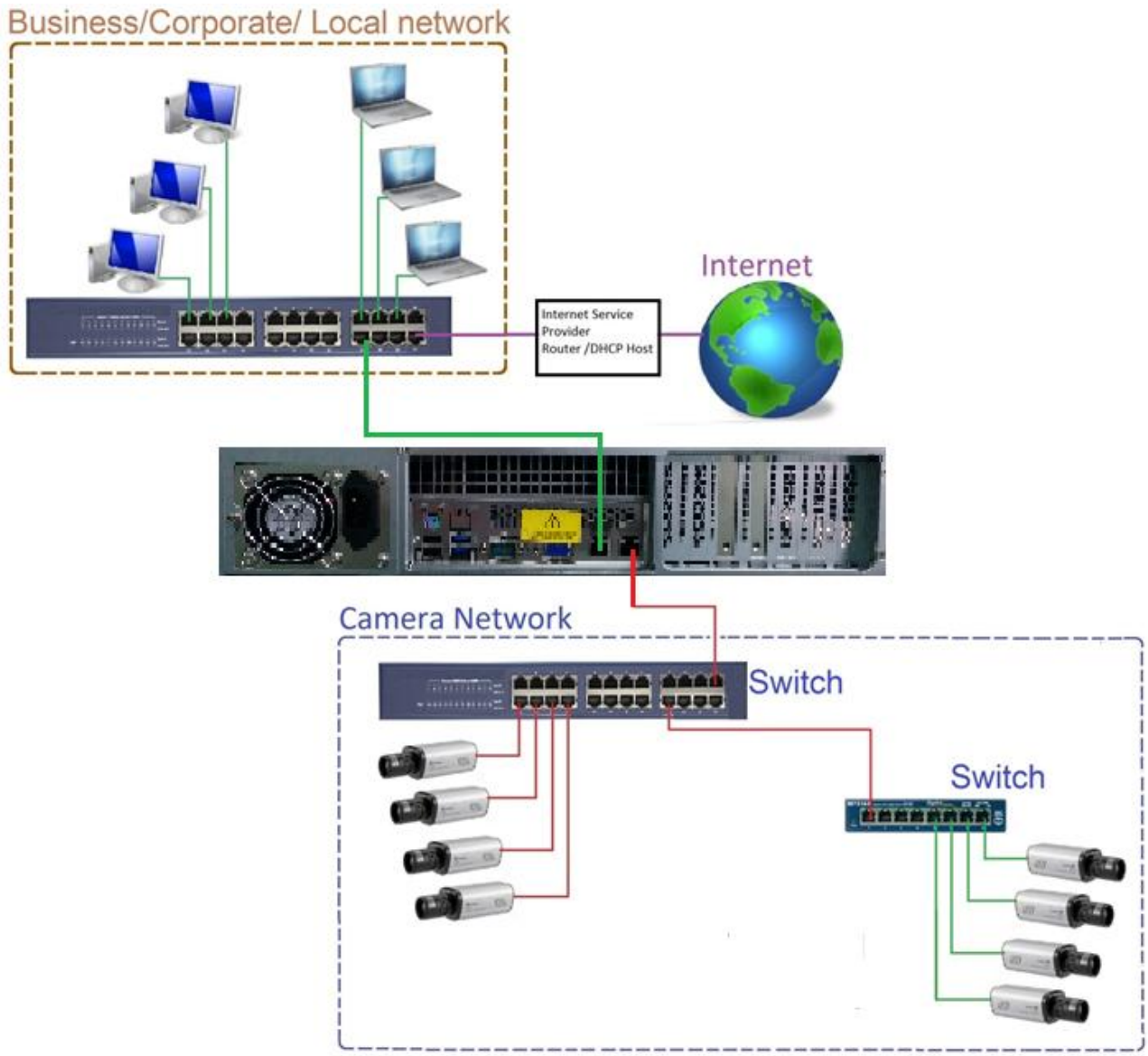
Before powering on the NVR, make sure the internal HDDs have been installed properly. When you have completed the basic cable connections, you are ready to turn on the NVR.

This NVR has dual network ports. It is recommended to separate your IP-camera network from your other network.

The diagram below is an example of an initial network set up.



Once NVR and IP camera configuration is complete, the DHCP Server/Router and PC-1 can be removed from the Camera Network.



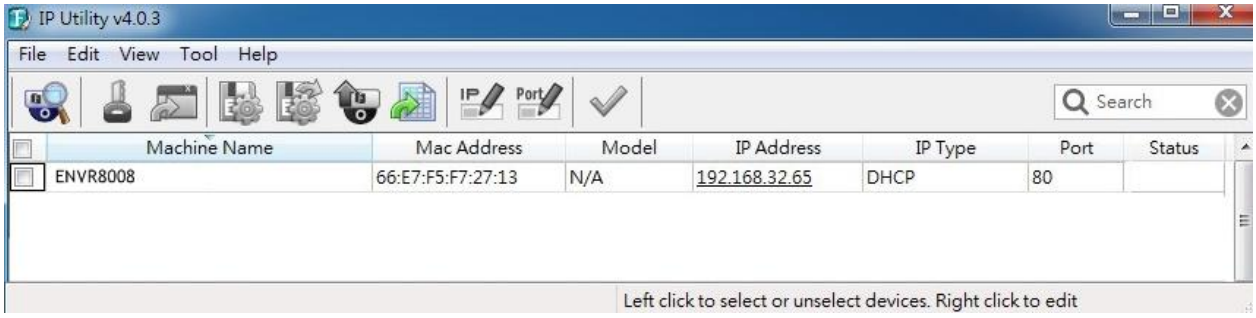
Accessing the NVR

To turn on the power, connect the supplied Power Cord to the power outlet and turn on the **Power Switch**. After hearing 1 beeps from the NVR, you can start operating. The power LED indicators will indicate operation status of the HDDs, power, and network. To turn off the power, press the **Power Switch** on the front panel for a few seconds before unpluggingthe Power Cord.

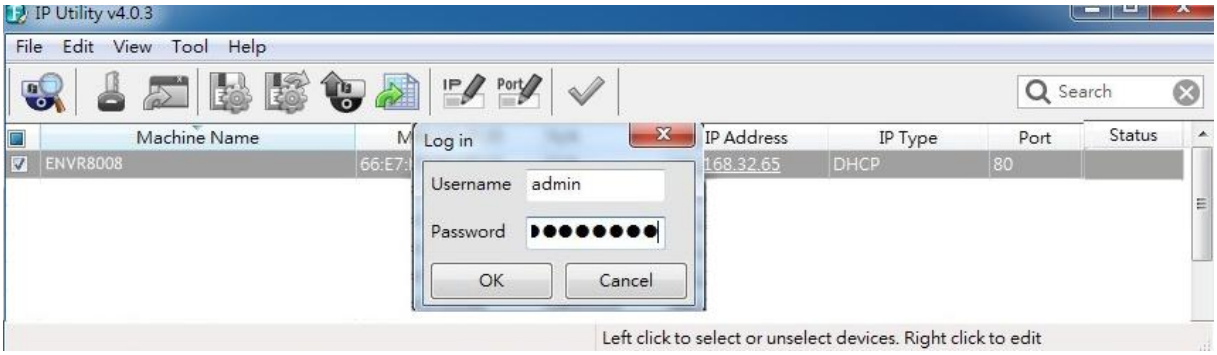
You can look up the IP address and access the Web interface of the NVR using the **IP Utility (IPU)**program, which can be downloaded from EverFocus' Website: http://www.everfocus.com/

1. Save **IP Utility Setup AutoRun.exe** in your computer. Double click the .exe file and followthe on-screen instructions. Check **Run IPUtility.exe** and click the **Finish** button, the IP Utility willbe launched to search the IP devices connected in the same LAN automatically.

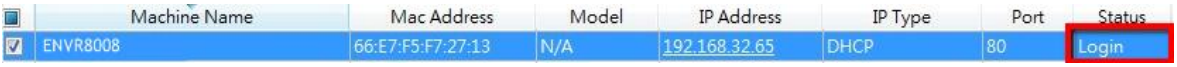
Setup - IP Utility
Completing the IP Utility Setup Wizard
Setup has finished installing IP Utility on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Run IpUtility.exe
Finish



2. To optionally configure the Machine Name, IP Address, IP Type or Port Number using the IPU:
   a. Log in the NVR by checking the desired model and then click the **Log in** icon. The Log in dialog box appears.

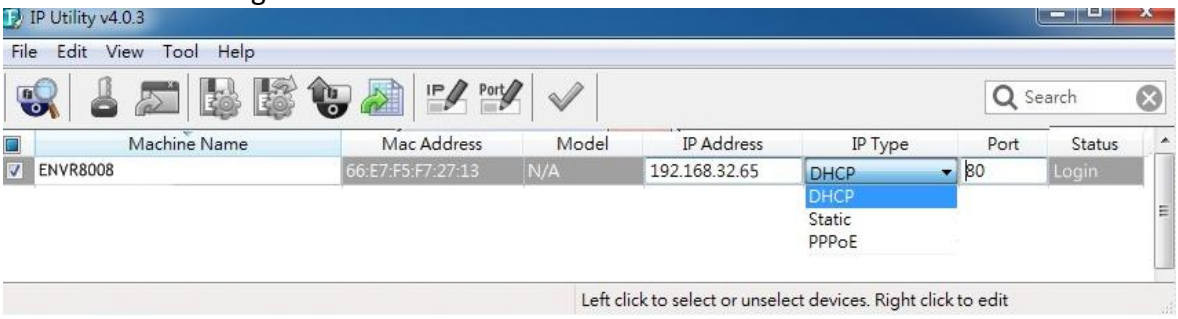


b. Type the Username and Password. Click the **OK** button, the status of the selected camera will display **Login**.



Note:
1. The default user ID is **admin** and the default password is **11111111**.
2. If you select more than oneNVRs that have the same user ID / password, you will be able to log in severalNVRs at once.

c. Right click the column to configure the setting. Click **Apply Changes** button to apply and save the settings.



Note: Most networks uses DHCP to assign IP address, if you are unsure of your network settings, please consult your network administrators for configuration details.

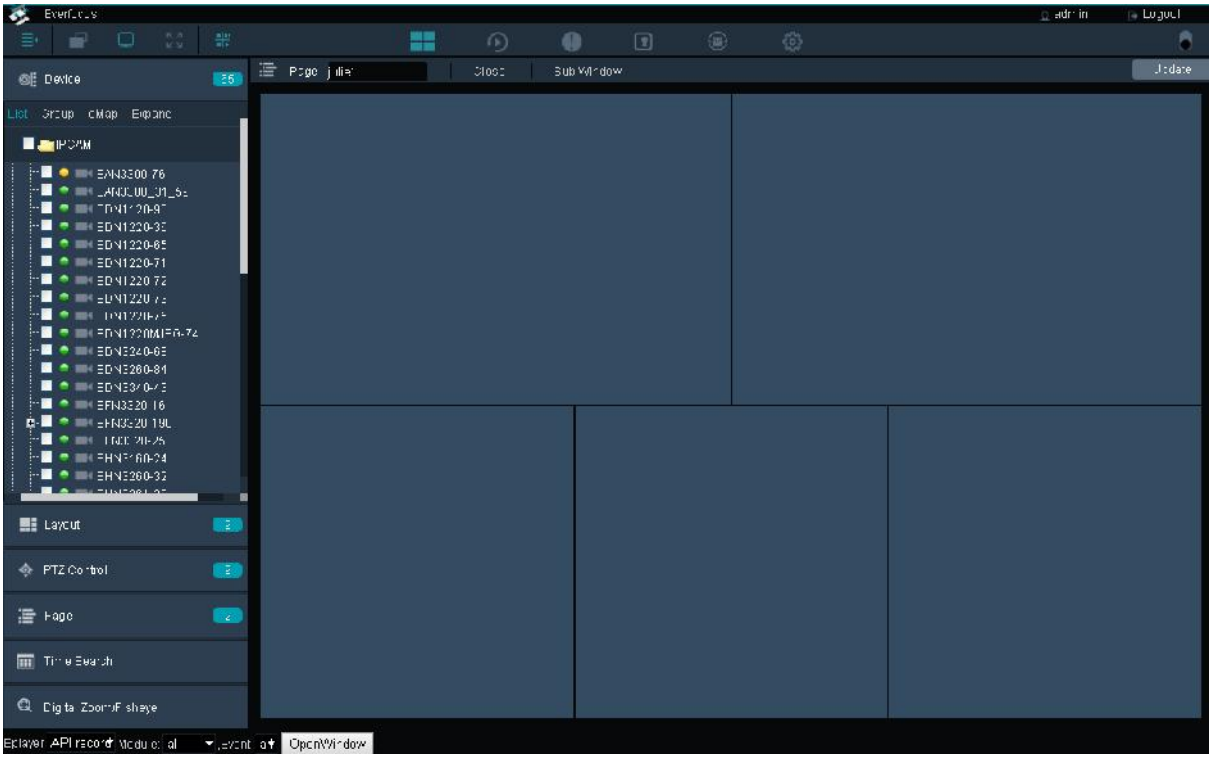
3. To access the Live View window, open a Google Chrome Web browser, type the IP address of the NVR in the address field and press the **Enter** key on the keyboard, the Welcome window appears. Follow the instruction steps to update the latest Plugin version.

Welcome
Please follow the steps below to update the latest Pl ugin version
Step 1. Click here to download Eplayer
Step 2. Execute the EPlayer.exe file
Step 3. Click here to reload the webpage

Note: The Welcome window will only be prompted for the first time login in order to update the system to the latest plugin version.

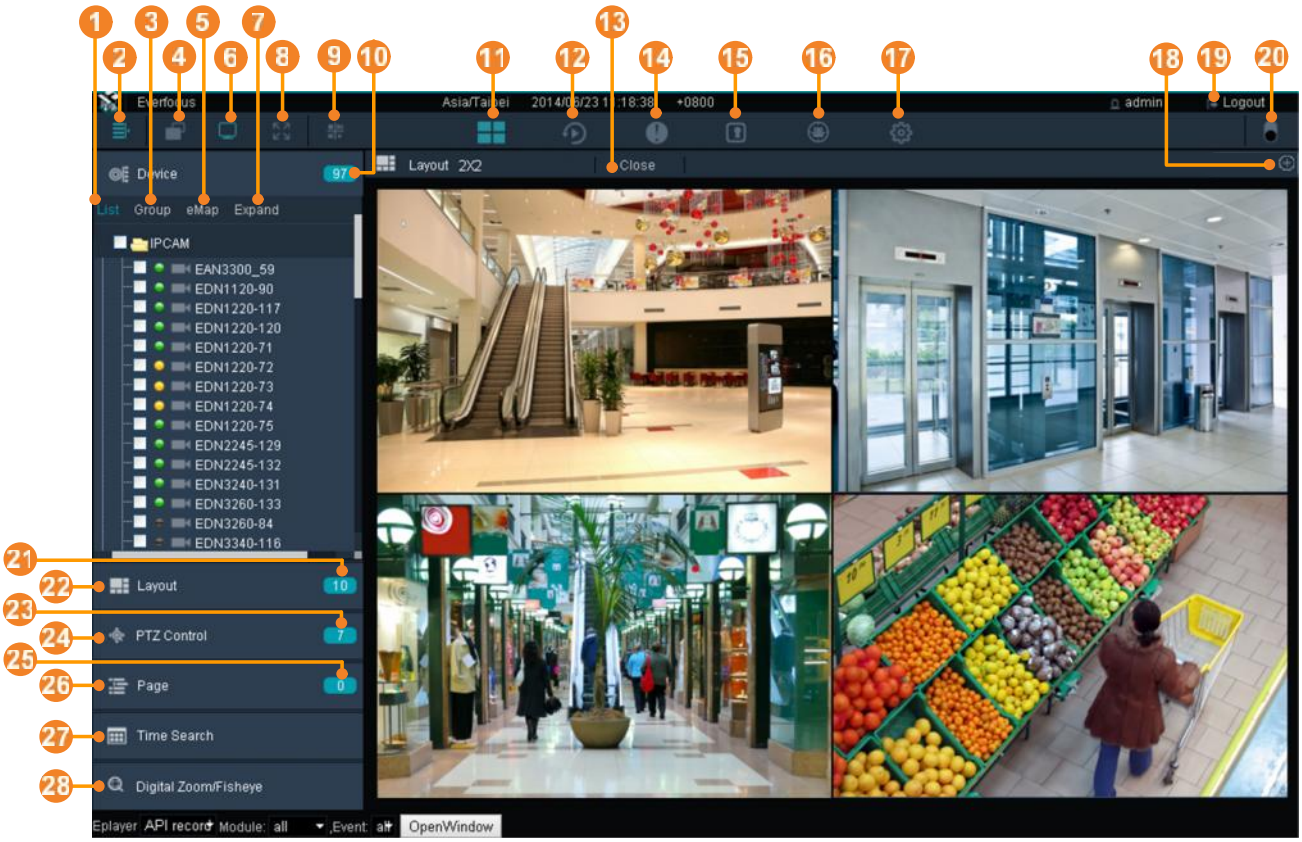
4. After reloading the webpage, the login window is displayed again. Type the user ID and password to log in. By default, the user ID is **admin**and the password is **11111111**.

5. Click the **Login** button, the Live View window (see *3.2 Live View Window*of the User's Manual) appears.



6. To log out the system, click the **Logout** button on the upper-right corner of the Live View Window.The system will return to the login window.

2.3 Live View Window



No.	Name	Description
1	**List**	Click to display the Device List
2	**Menu Tree**	Click to show / hide the Menu Tree of the Device List.
3	**Group**	Click to configure the Group settings (see *3.2.3.1 Group Settings*of the User's Manual).
4	**Ratio**	Click to switch live video ratio between original (source video) and extended (to the layout screen).
5	**eMap**	Click to display the eMap (see *3.2.1 eMap* of the User's Manual).
6	**OSD Display Mode**	Click to show / hide the information of device name and time.
7	**Expand / Collapse**	Click to expand or collapse the Device List.
8	**Full Screen**	Click to display the Live View layout in full screen.
9	**Option**	Click to show/hide the Live View ToolBar at the bottom of each cell. See *3.2.2 Live View Tool Bar*of the User's Manualfor more details.

10	**Device Detail**	Click to enter the Device List setup page (see *3.2.3 Device List Setup*of the User's Manual).
11	**Live View**	Click to display the Live View layout.
12	**Playback**	Click to enter the playback page for multi-channel playback.
13	**Close Stream**	Click to disconnect the live streams.
14	**Event List**	Click to enter the Event List setup page.
15	**Access List**	This function is optional. Click to enter the Access Control setup page.
16	**IVS**	This function is optional. Click to enter the Intelligent Video Surveillance (IVS) setup page.
17	**Setting**	Click to enter the Settings page (see *3.5 Setting* of the User's Manual).
18	**Add**	Click to save the current live layout as a Page in the Page List (see *3.2.5 Page Setting* of the User's Manual).
19	**Logout**	Click to log out the system.
20	**Theme Switch**	Click to switch the theme between the dark and light.
21	**Layout Detail**	Click to enter the Layout Design page. You can further create or modify the personal layout design (see *3.2.4 Layout Setting* of the User's Manual).
22	**Layout**	Click to enter the layout page for layout selection (see *3.2.4 Layout Setting* of the User's Manual).
23	**PTZ Detail**	Click to enter the PTZ setup page.
24	**PTZ Control**	Click to display the PTZ Control panel.
25	**Page Detail**	Click to enter the Page setup page (see *3.2.5 Page Setting*of the User's Manual).
26	**Page**	Click to display the Page List(see *3.2.5 Page Setting* of the User's Manual).
27	**Time Search**	Click to display the Time Search calendar for playback.
28	**Digital Zoom / Fisheye**	Click to enter the Digital Zoom / Fisheye operation page.

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